

S-MODE Science Team Meeting

February 12, 16-18, 2021 (*all times Pacific*)

Friday, Feb 12	Presenter	Org	Topic
1000-1010 (PST)	Farrar	WHOI	S-MODE Update
1010-1020	Vinogradova-Shiffer	NASA HQ	NASA HQ Perspective
1020-1030	Martin	NASA LaRC	ESSP Program Office Perspective
1030-1045	Wenegrat	U Maryland	How 'ocean current feedback on stress' modifies the Ekman buoyancy flux at fronts
1045-1100	Break		
1100-1115	Gierach	NASA JPL	S-MODE biology - What does ocean color provide for the mission?
1115-1130	D. Thompson	NASA JPL	PRISM water column retrieval methods
1130-1145	Omand	URI	S-MODE biology
1145-1200	Mahadevan	WHOI	Biological implications of submesoscale vertical transport
Tuesday, Feb 16	Presenter	Org	Topic
1000-1015 (PST)	Shcherbina	UW	Limitations of ADCP velocity intercomparisons -- expectations from the toy model and SWIFT observations
1015-1030	Rodriguez	NASA JPL	Status of surface velocity estimation from Doppler scatterometry
1030-1045	Polverari	NASA JPL	Air-Sea Interaction Tower Doppler Scatterometer and DopplerScatt results
1045-1100	Grare	SIO	Wave Gliders capabilities with emphasis on ADCP measurements
1100-1115	Break		
1115-1130	A. Thompson	Caltech	Submesoscale work on S-MODE related results and in Southern Ocean
1130-1145	Arbic	U Mich	A comparison of HYCOM and MITgcm LLC4320 velocities to both undrogued and drogued drifters
1145-1200	Ayet	CERFACS	Preliminary results of LES above submesoscale fronts
Wednesday, Feb 17	Presenter	Org	Topic
1000-1015 (PST)	Samelson	OSU	On turbulent universality, or surface-current coupling and wind-drift in a regional coupled mode
1015-1030	O'Neill	OSU	SSH estimation from surface currents
1030-1045	Molemaker	UCLA	A new generation of ROMS solutions for S-MODE
1045-1100	Hypolite	UCLA	Wave Effects on submesoscale currents in the open ocean, from MidCal ROMS solutions
1100-1115	Break		
1115-1130	Torres	NASA JPL	Separating small-scale internal gravity waves and balanced motions
1130-1145	Lenain	SIO	Stokes drift
1145-1200	Rocha	UConn/WHOI	Saildrone ADCP
Thursday, Feb 18	Presenter	Org	Topic
1000-1015 (PST)	Jacobs	NRL	Predictable Scales in Ocean Model Forecasts
1015-1030	D'Addezio	NRL	Model support
1030-1045	Mazloff	SIO	On a mesoscale state estimate that may be useful to SMOKE
1045-1100	Break		
1100-1115	Bingham	UNCW	Barrier Layers in a High-Resolution Model in the Eastern Tropical Pacific
1115-1130	Dever	WHOI	On a collection of underway profiles using the EcoCTD
1130-1145	He	WHOI	Inferring oceanic vertical velocities from sea surface data with machine learning
1145-1200	Discussion		